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TO-251 N MOS N-CHANNEL MOSFET in a TO-251 Plastic Package.

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, $R_{DS(on)}$,

Low gate charge, Low ON Resistance, fast switching.

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Power switch circuit of adaptor and charger.

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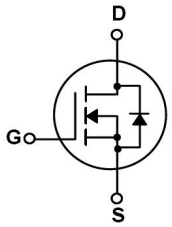

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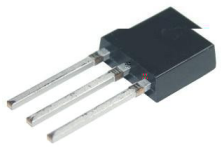

PIN1 G PIN 2 D PIN 3 S

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See Marking Instructions.

Rev.A Jul.-2016

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	V_{DD}=350V I_D=2.0A V_{GS}=10V R_G=25Ω		7.8		ns
Turn-On Rise Time	t_r			5.5		ns
Turn-Off Delay Time	$t_{d(off)}$			33		ns
Turn-Off Fall Time	t_f			16		ns
Total Gate Charge	Q_g	I_D=2.0A V_{DD}=350V V_{GS}=10V		8.5		nC
Gate to Source Charge	Q_{gs}			1.5		nC

Gate to Drain (“ Miller ”

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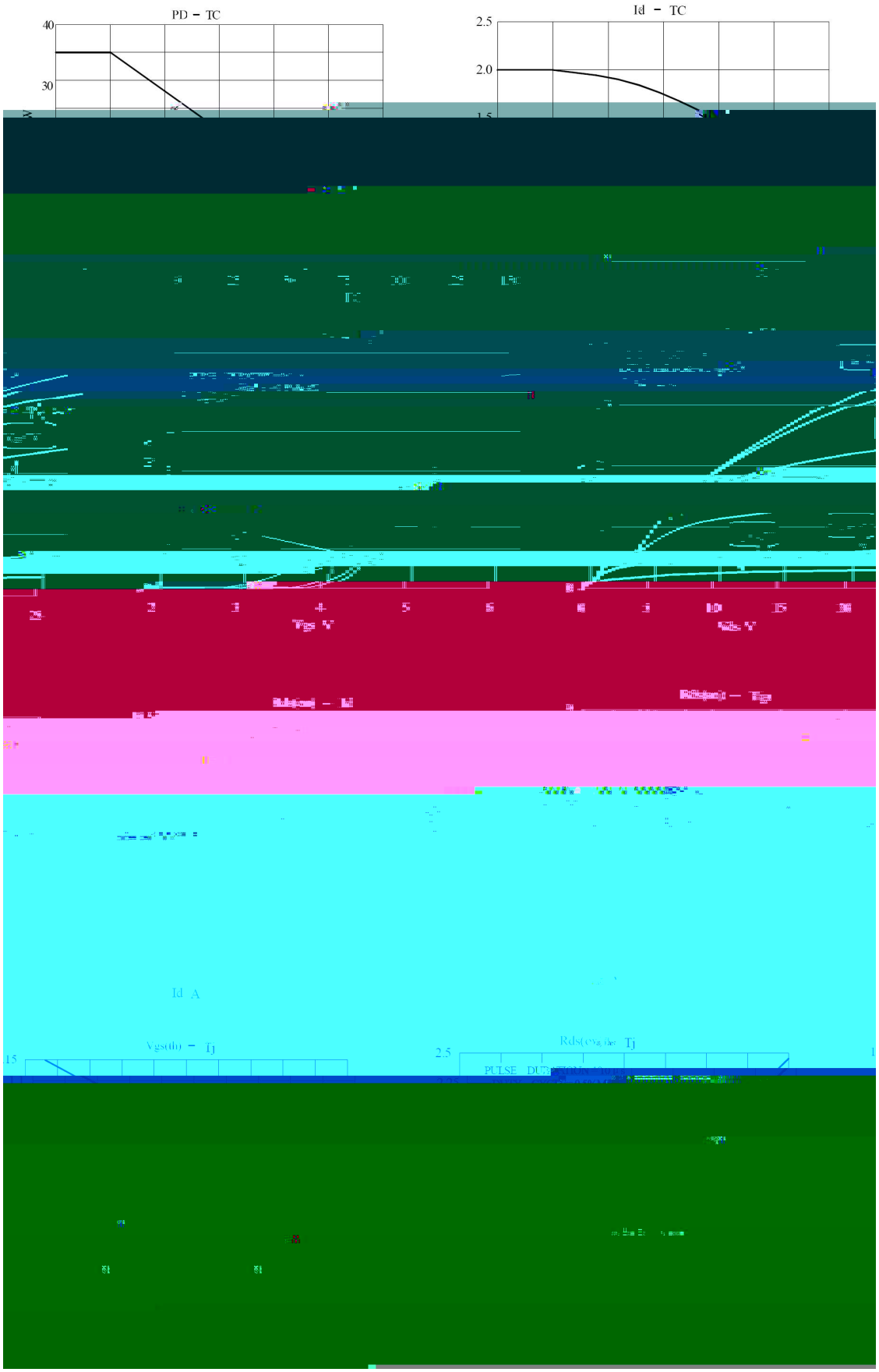
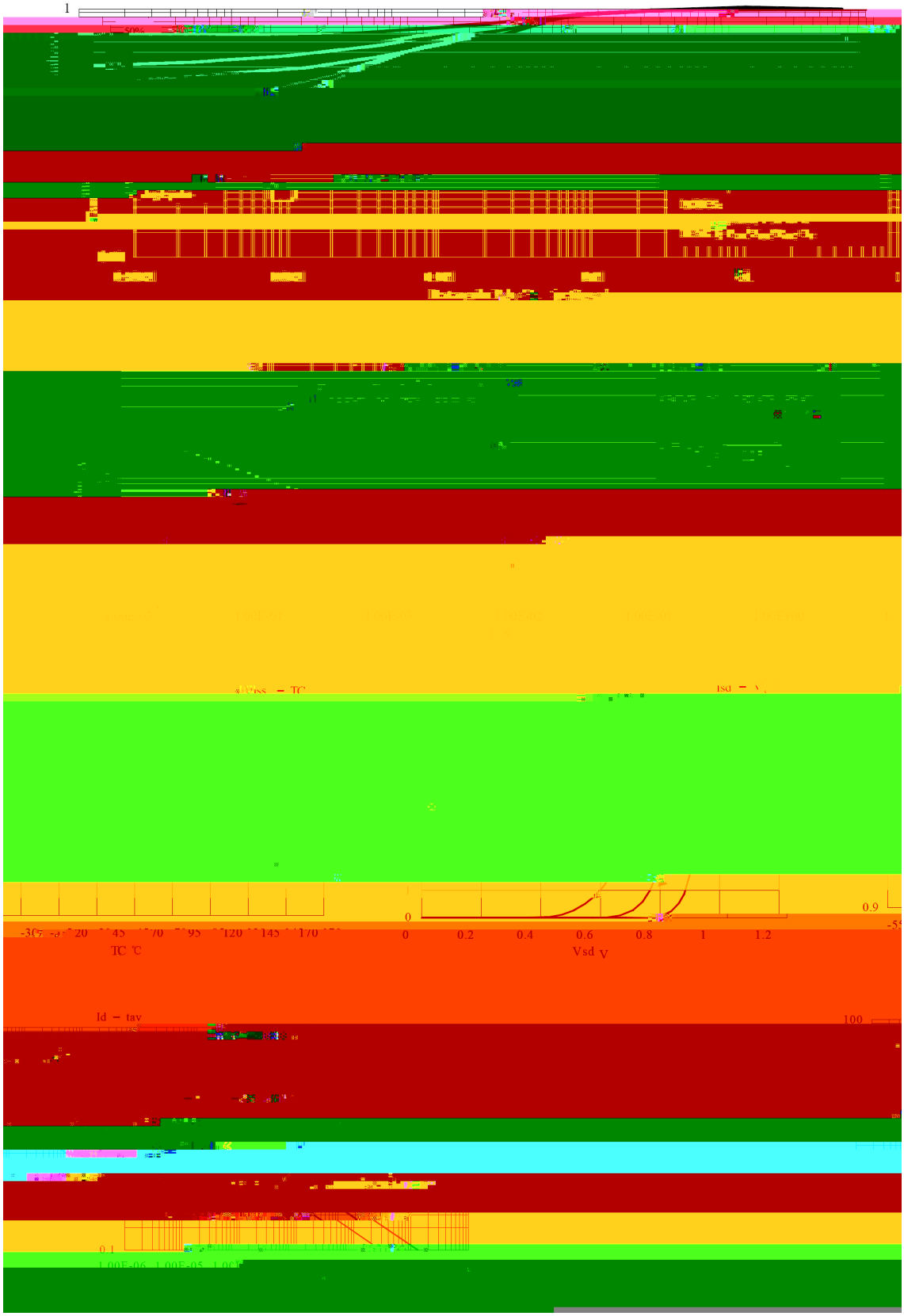

PD – TC
40
30
Id – TC
2.5
2.0
Vgs V
Vds V
Id A
Vgs(th) – Tj
Rds(ev) – Tj
2.5
PULSE DU


1
0
0.2
0.4
0.6
0.8
1
1.2
0.9
TC ℃
Vsd V
Id – tav
100
0.1

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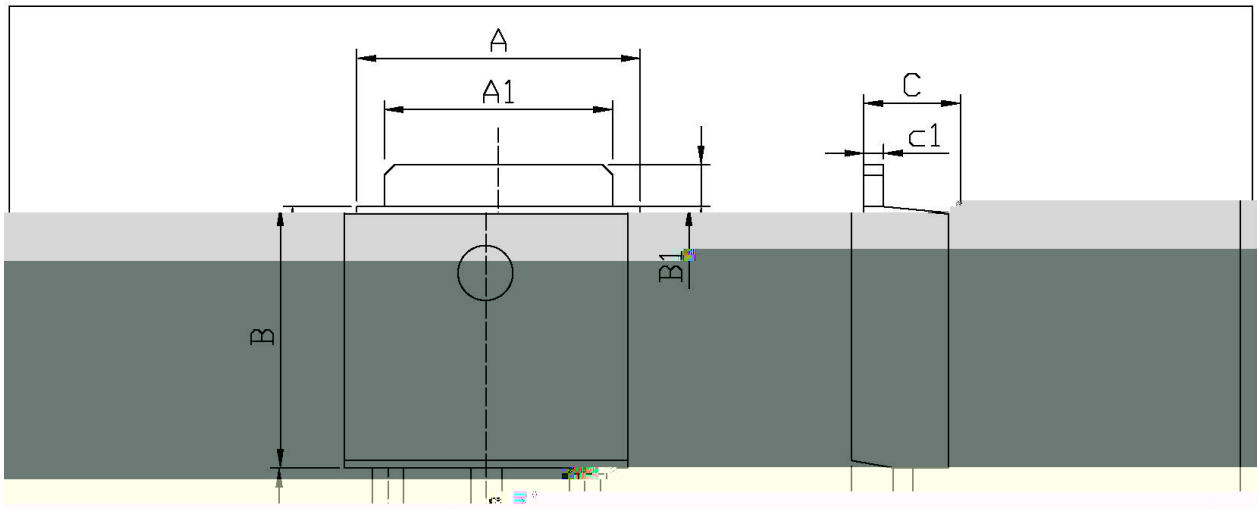

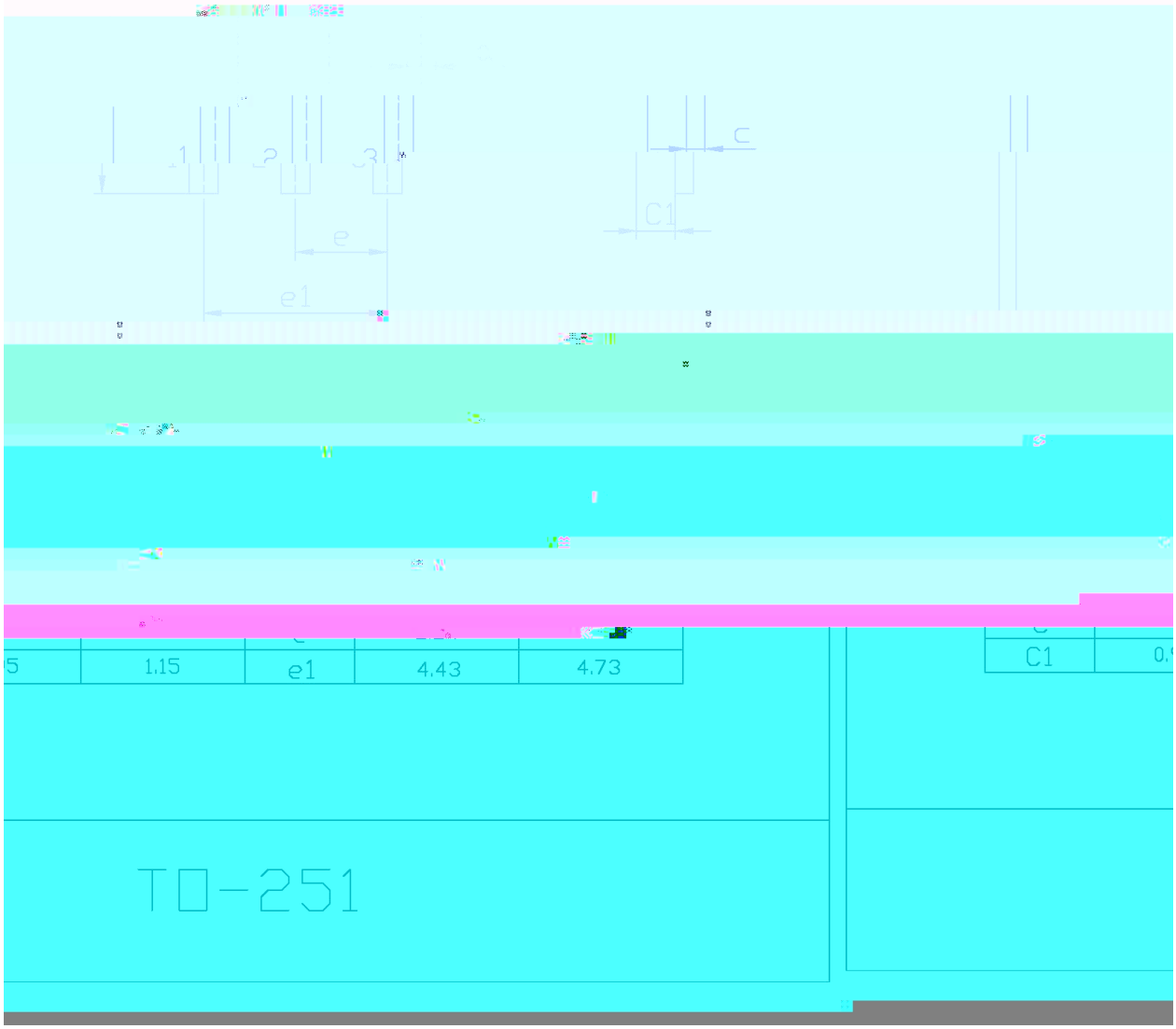

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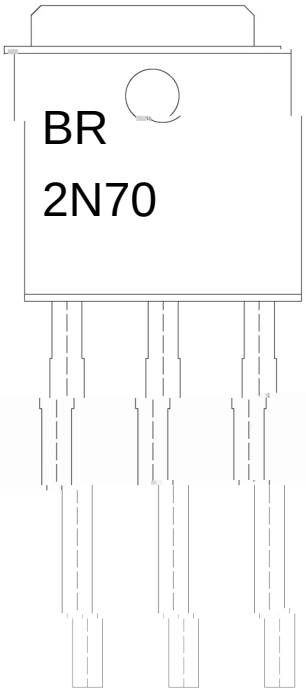

BR

2N70

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Note:

BR:	Company Code
2N70:	Product Type.
****:	Lot No. Code, code change with Lot No.

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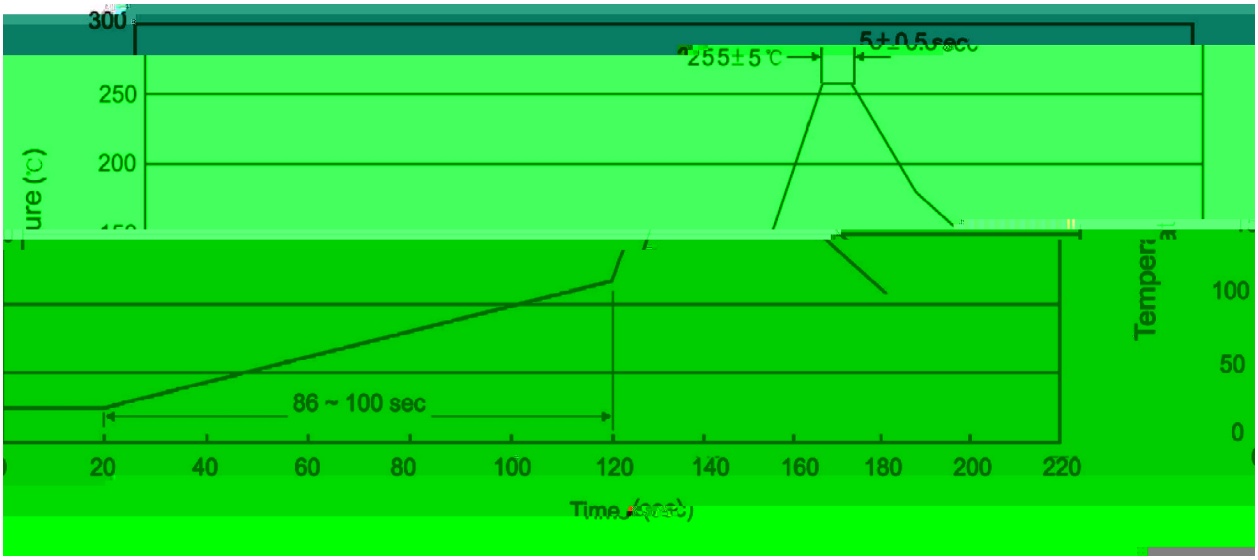

Note:

1 25 150 60 90sec; 1.Preheating:25~150 , Time:60~90sec.

2 255±5 5±0.5sec; 2.Peak Temp.:255±5 , Duration:5±0.5sec.

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